

What is Claimed is:

1. A connector for a ribbon cable, the ribbon cable having conductive traces surrounded at least partially by insulating material, the conductive traces being arranged adjacent to one another and extending to an end region of the ribbon cable), the connector comprising:

two part plates, at least one part plate having contact openings along one edge of the part plate for the conductive traces; and

10 fastening elements with which the part plates can be connected to form a connector, wherein between the two part plates a receiving space is provided for arranging the ribbon cable.

2. The connector according to claim 1, wherein the two part plates are mutually connected by a flexible connecting element integral with the two part plates and extending along a leading edge of the part plates.

3. The connector according to claim 2, wherein the connecting element is arranged adjacent the contact openings.

20 4. The connector according to claim 1, wherein the two part plates are mutually connected by a flexible connecting element integral with the two part plates and extending along a lateral edge of the part plates.

5. The connector according to claim 1, wherein the fastening elements are provided in the form of a recess in a first part plate and in the form of a pin or latching element on a second part plate.

5 6. The connector according to claim 1, wherein both part plates have contact openings which are opposed to one another when the connector is in an assembled state.

7. The connector according to claims 1, wherein one part plate has a groove or a web on an external surface 10 thereof which faces away from the receiving space, the groove or web being arranged parallel to an insertion direction of the connector.

8. The connector according to claim 1, wherein the groove or web is disposed on the external surface such that 15 the connector can only be inserted in the correct position of a mating connector having a greater width than the connector.

9. The connector according to claim 7, wherein one of the part plates has an actuation cam on an external surface thereof, the actuation cam being configured to permit the 20 insertion of a slider into a mating connector.

10. Connector according to claim 1, wherein at least one of the part plates has spacers on an internal face thereof which define a gap between the two part plates.

11. A continuous ribbon configured to be severed to form a plurality of connectors, the ribbon comprising two continuous part plates which are mutually connected by an integral flexible connecting piece at an edge of the of the
5 continuous part plates.

12. A mating connector for connection with a connector on a ribbon cable with conductive traces, the mating connector comprising:

a housing with guide elements;
10 contact elements held in the housing, and
a slider retained by the guide elements in axially displaceable engagement, displaceable from an open position extending further from the housing into a closed position, the slider having an insertion opening for receiving the connector
15 on the ribbon cable and an actuation surface for pre-tensioning the contact elements on the conductive traces of the ribbon cable responsive to a position of the slider.

13. The mating connector according to claim 12, wherein the slider has a second actuation surface which is arranged at
20 a defined angle to the sliding direction of the slider and the housing has a holding arm, whereby the holding arm is moved in the direction of the ribbon cable by the second actuation surface during movement of the slider into the

closed position, and wherein the engaging element in the closed position of the slider interlocks with the connector, and the holding arm, during movement of the slider from the closed into the open position, releases the connector.

5 14. The mating connector according to claim 12, wherein the slider has a flexible release arm and the housing has a recess, the release arm being disposed adjacent to the recess and preventing an insertion of the slider from the open position into a closed position when the connector is not

10 inserted into the mating connector, and wherein the release arm is arranged in the end portion of an insertion region for the connector such that the connector in an end position comes into active connection with the release arm and moves the release arm into an insertion position, allowing the slider to

15 be movable from the open position into the closed position.

16. The mating connector according to claim 12, wherein the slider or the housing has a guide web or a guide groove which is provided for receiving a groove or a web of the connector.

20 16. The mating connector according to claim 15, wherein the guide groove or the guide web are arranged such that a connector can only be inserted in the correct position

-21-

although the width of the connector is less than the width of
the insertion opening.